

Seresto®

# *We Fashioned a Defense Against the Deadly Lone Star Tick.*

*Amblyomma americanum*, also known as the Lone Star tick, is the **deadliest tick threat facing cats today**. It is the natural vector of the protozoan blood parasite *Cytauxzoon felis*. When transmitted to cats through a tick bite, it causes cytauxzoonosis, also known as bobcat fever – a dramatic and highly fatal disease.

*This threat now extends to cats in over one-third of the United States.*

Initially identified in a cat from Missouri in the mid-1970s, cytauxzoonosis has been expanding to **other areas in the country** ever since – most likely due to the growing range of the *Amblyomma* tick and deer populations.

Cytauxzoonosis is diagnosed **year-round** but typically corresponds with increased *Amblyomma* tick activity from **early spring through late fall**.



*Amblyomma americanum*

Model: *Stefan*  
Groomer: *Owner*  
Coat: *Model's Own*  
Collar: *Seresto®*



A CONCERN ON THE MOVE

## *What's New?*

- ✓ Evidence now suggests that domestic cats can serve as competent reservoir hosts along with the bobcat.<sup>2</sup>
- ✓ Identified in cats in 17 states and counting.<sup>2</sup>
- ✓ Transmission time is quicker than previously thought, now being reported in less than 48 hours after tick attachment.<sup>3</sup>
- ✓ Often appears in clusters – if there is one diagnosis or suspected case, there are likely more.
- ✓ Cats with outdoor activity are at greatest risk, especially young, active adults.
- ✓ There is no vaccine, and once infection occurs, *C. felis* is almost always fatal.



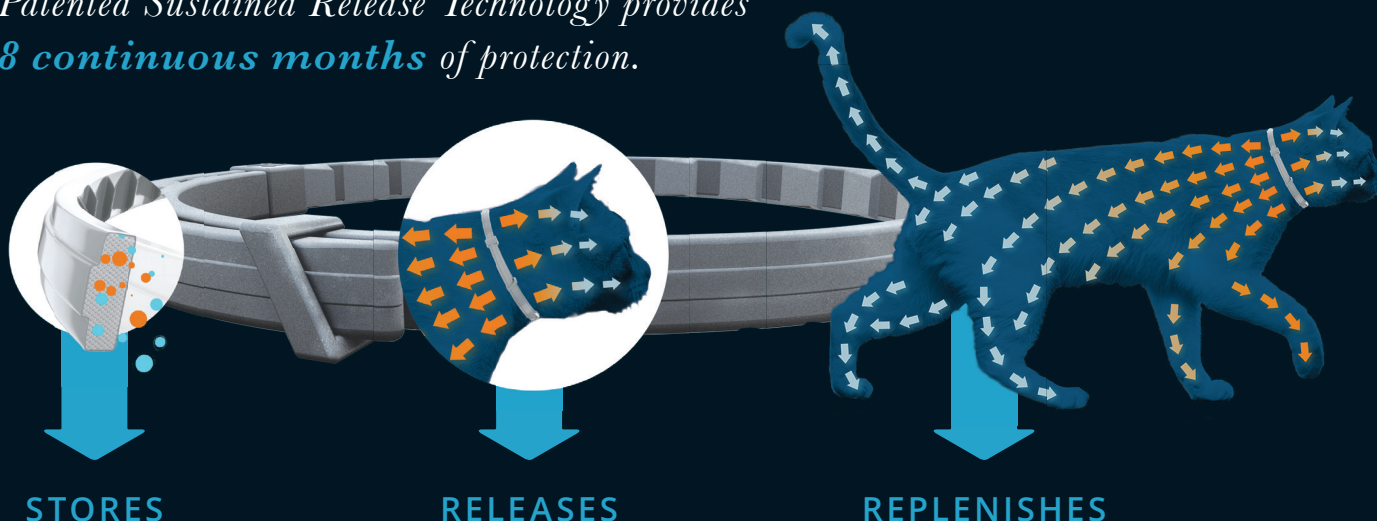
*Seresto® kills and repels the Lone Star tick, the vector of cytauxzoonosis.*

	SERESTO®		FRONTLINE® GOLD		BRAVECTO® TOPICAL SOLUTION		BRAVECTO® PLUS TOPICAL SOLUTION		REVOLUTION® PLUS TOPICAL SOLUTION	
	Kills	Repels	Kills	Repels	Kills	Repels	Kills	Repels	Kills	Repels
<i>AMBLYOMMA AMERICANUM</i> (LONE STAR TICK)	✓	✓	✓							
<i>Ixodes scapularis</i> (DEER TICK)	✓	✓	✓		✓		✓		✓	
<i>Rhipicephalus sanguineus</i> (BROWN DOG TICK)	✓	✓	✓							
<i>Dermacentor variabilis</i> (AMERICAN DOG TICK)	✓	✓	✓		✓		✓		✓	
<i>Amblyomma maculatum</i> (GULF COAST TICK)									✓	

Based on label indications

*Seresto® spreads from head to toe, even the tail.<sup>4</sup>*

*Patented Sustained Release Technology provides 8 continuous months of protection.*



The patented Sustained Release Technology of Seresto® ensures that both active ingredients are slowly and continuously released in low concentrations from the collar toward the animal. This avoids peak concentrations and ensures that concentrations of both active ingredients are present in the cat's haircoat during the entire efficacy period. The active ingredients spread from the site of direct contact over the skin surface.

*Contact your authorized Elanco sales representative to order Seresto® today or visit ElancoDVM.com.*

To see how Seresto® performed against infected *Amblyomma americanum* ticks, visit the journal *Parasitology Research* or also available at: <https://doi.org/10.1007/s00436-013-3277-7>.

<sup>1</sup> Centers for Disease Control and Prevention. Regions where ticks live. Available at: [https://www.cdc.gov/ticks/geographic\\_distribution.html](https://www.cdc.gov/ticks/geographic_distribution.html). Accessed January 5, 2021.

<sup>2</sup> Sherrill MK, Cohn LA. (2015). Cytauxzoonosis: Diagnosis and treatment of an emerging disease. *Journal of Feline Medicine and Surgery*. 17(11):940-948.

<sup>3</sup> Thomas J, Ohmes C, Hostetler J, et al. (2018). Minimum transmission time of *Cytauxzoon felis* by *Amblyomma americanum* to domestic cats in relation to duration of infestation, and investigation of ingestion of infected ticks as a possible route of transmission. *Journal of Feline Medicine and Surgery*. 20(2): 67-72.

<sup>4</sup> Elanco Animal Health. Data on file.

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